

Abstract of the Disclosure:

A semiconductor component for generating a polychromatic electromagnetic radiation has a semiconductor chip with a first semiconductor layer and a second semiconductor layer, which is provided adjacent to the first semiconductor layer and has an electroluminescent region. The electroluminescent region emits electromagnetic radiation of a first wavelength. The first semiconductor layer includes a material which, when excited with the electromagnetic radiation of the first wavelength, re-emits radiation with a second wavelength which is longer than the first wavelength.

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